

# Mingjun Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

344  
citations

1170033

9  
h-index

1181555

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

245  
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing Al-Fe-Si alloys with high thermal stability through tuning Fe, Si contents and cooling rates. <i>Intermetallics</i> , 2022, 144, 107505.	1.8	13
2	Self-accommodated defect structures modifying the growth of Laves phase. <i>Journal of Materials Science and Technology</i> , 2021, 62, 203-213.	5.6	14
3	Quantified effect of sample size and gas environment on precipitation of an aged Al-Mg-Si alloy. <i>Materials Characterization</i> , 2021, 172, 110829.	1.9	1
4	Formation of amorphous precipitates in a corroded over-aged Al-Mg-Si alloy. <i>Applied Surface Science</i> , 2021, 549, 149329.	3.1	4
5	Shearing and rotation of $\text{Al}_2\text{Si}_3$ and $\text{Al}_2\text{Si}$ precipitates in an Al-Mg-Si alloy under tensile deformation: In-situ and ex-situ studies. <i>Acta Materialia</i> , 2021, 220, 117310.	3.8	46
6	Simultaneously enhanced strength and ductility of 6xxx Al alloys via manipulating meso-scale and nano-scale structures guided with phase equilibrium. <i>Journal of Materials Science and Technology</i> , 2020, 41, 139-148.	5.6	28
7	Quantified contribution of $\text{Al}_2\text{Si}_3$ and $\text{Al}_2\text{Si}$ precipitates to the strengthening of an aged Al-Mg-Si alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 774, 138776.	2.6	84
8	Atomic scale investigation of the crystal structure and interfaces of the $\text{Al}_2\text{Si}$ precipitate in Al-Mg-Si alloys. <i>Acta Materialia</i> , 2020, 185, 193-203.	3.8	72
9	$\text{Al}_2\text{Si}_3$ needle-shape precipitate formation in Al-Mg-Si alloy: Phase field simulation and experimental verification. <i>Computational Materials Science</i> , 2020, 184, 109878.	1.4	18
10	Preparation of millimeter scale second phase particles in aluminum alloys and determination of their mechanical properties. <i>Journal of Alloys and Compounds</i> , 2019, 784, 68-75.	2.8	24
11	Effect of electron beam irradiation in TEM on the microstructure and composition of nanoprecipitates in Al-Mg-Si alloys. <i>Micron</i> , 2019, 116, 116-123.	1.1	7
12	On the atomic model of Guinier-Preston zones in Al-Mg-Si-Cu alloys. <i>Journal of Alloys and Compounds</i> , 2018, 745, 644-650.	2.8	18
13	Phase-field simulation of the solidified microstructure in a new commercial 6xxx aluminum alloy ingot supported by experimental measurements. <i>International Journal of Materials Research</i> , 2018, 109, 91-98.	0.1	7
14	Effect of stamping deformation on microstructure and properties evolution of an Al-Mg-Si-Cu alloy for automotive panels. <i>Journal of Materials Science</i> , 2017, 52, 5569-5581.	1.7	8